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**REPORT**  
**OF**  
**STATE ELECTRICIAN**  
**AND ENGINEER**

**TO THE**  
**GENERAL ASSEMBLY**  
**of the State of South Carolina**

**AT THE REGULAR SESSION**  
**BEGINNING JANUARY, 1943**



**PRINTED UNDER THE DIRECTION OF THE**  
**JOINT COMMITTEE ON PRINTING**  
**GENERAL ASSEMBLY OF SOUTH CAROLINA**

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# REPORT

## TOTAL KILOWATT HOURS CONSUMED BY VARIOUS STATE INSTITUTIONS DURING THE YEAR END- ING JUNE 30, 1942, AND AMOUNTS PAID FOR SAME

<i>Name of Institution</i>	<i>K. W. H.</i>	<i>Amount</i>
Industrial School for Girls .....	31,617	\$632.34
Reformatory for Negro Boys .....	23,758	475.16
Confederate Infirmary .....	9,224	184.48
S. C. Sanatorium .....	367,917	7,358.34
S. C. State Hospital .....	1,380,104	27,602.08
Governor's Mansion .....	12,790	255.80
State Capitol Building .....	207,280	4,145.60
Calhoun Office Building .....	284,770	5,695.40
Wade Hampton Office Building .....	570,500	11,410.00
World War Memorial Building .....	6,192	123.84
University of S. C. ....	862,105	17,242.10
State Armory .....	1,498	29.96
State Penitentiary .....	437,018	8,740.36
State Highway Department .....	39,995	799.90
Totals .....	4,234,768	\$84,695.36
Current Sold to State Employees .....		3,488.86
Total Sales .....		\$88,184.22

The above statement shows that the various institutions located in or near Columbia, consumed 4,234,768 Kilowatt Hours during the period July 1, 1941, through June 30, 1942, which at the rate paid for same before contract was made between the State and the Power Company, would amount to \$84,695.36. Add to this \$3,488.86 sales to State Employees using current from State lines, which makes a total saving to the State for the above period of \$88,184.22. Deduct from this the amount of \$16,256.00 paid to the Power Company, making a net saving to the State of \$71,928.22.

## FINANCIAL STATEMENT

PERIOD JULY 1, 1941 THROUGH JUNE 30, 1942

## Balances:

Accounts Receivable .....	\$9,746.78
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## Current Sales:

State Institutions .....	\$84,695.36	
State Employees .....	3,488.86	\$88,184.22
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Total to Account for .....		\$97,931.00

## Accounted for as follows:

Paid State Treasurer .....	\$104,800.37	
Less Collection for Water .....	15,714.29	\$89,714.29
	<hr/>	<hr/>
Accounts Receivable .....		\$8,774.75
Accts. Uncollectable, Charged off.		70.17
		<hr/>
		\$97,931.00



TABLE NO. 1—STATEMENT SHOWING MONTHLY SETTLEMENTS WITH SOUTH CAROLINA ELECTRIC &amp; GAS COMPANY, YEAR ENDING JUNE 30, 1942

Month of Settlement	Date	Time of Highest Hour Peak Load	Gross K. W. Load	Gross H. P. Load	Net H. P. Load	Unit H. P. Settlement	Net K. W. H. Due S. C. Electric & Gas Co.	Net K. W. Demand Load	Amount Due S. C. Electric & Gas Co.
1941									
July .....	18	9:20 to 10:20 A. M. ....	1,262.000	1,682.666	1,598.533	600.000	117,000	748.899	\$1,470.00
August .....	4	10:20 to 11:20 A. M. ....	1,226.000	1,634.666	1,552.933	600.000	94,150	714.700	1,229.80
September .....	25	3:20 to 4:20 P. M. ....	1,182.000	1,576.000	1,497.200	600.000	102,750	672.900	1,327.50
October .....	8	9:20 to 10:20 A. M. ....	1,132.000	1,509.333	1,433.866	600.000	97,600	625.400	1,271.20
November .....	24	9:00 to 10:00 A. M. ....	1,105.000	1,475.333	1,399.666	600.000	89,800	599.750	1,177.60
December .....	12	9:10 to 10:10 A. M. ....	1,333.000	1,777.333	1,688.467	600.000	108,650	816.350	1,386.50
1942									
January .....	7	9:10 to 10:10 A. M. ....	1,285.000	1,713.333	1,627.666	600.000	133,300	770.750	1,633.00
February .....	24	9:10 to 10:10 A. M. ....	1,395.000	1,860.000	1,767.000	600.000	140,500	875.250	1,705.00
March .....	2	10:40 to 11:40 A. M. ....	1,345.000	1,793.333	1,703.667	600.000	127,600	827.750	1,576.00
April .....	11	9:10 to 10:10 A. M. ....	1,043.000	1,390.666	1,321.133	600.000	80,200	540.850	1,062.40
May .....	14	8:40 to 9:40 A. M. ....	1,241.000	1,654.666	1,571.933	600.000	86,650	728.950	1,139.80
June .....	11	9:40 to 10:40 A. M. ....	1,192.000	1,589.333	1,509.866	600.000	98,100	682.400	1,277.20
Total Paid South Carolina Electric & Gas Company for Year 1941-42 .....									\$16,256.00

TABLE NO. 2—SHOWING SALE OF ELECTRIC CURRENT FOR THE YEAR ENDING JUNE 30, 1942 — TO STATE EMPLOYEES

Name of Employee	July 1941	August 1941	Sept. 1941	Oct. 1941	Nov. 1941	Dec. 1941	Jan. 1942	Feb. 1942	March 1942	April 1942	May 1942	June 1942	Total
R. E. Cooper .....	\$13.26	\$6.60	\$9.87	\$15.45	\$3.90	\$9.21	\$9.00	\$2.49	\$2.94	\$8.04	\$6.90	\$8.37	\$96.03
H. F. Stevenson .....	5.01	3.90	3.33	5.82	5.37	5.43	4.32	8.31	5.52	4.08	.....	6.72	57.81
J. S. Jones .....	2.60	2.24	1.92	3.12	2.68	2.96	2.08	1.40	1.32	2.36	2.16	1.40	26.24
O. A. McElroy .....	30.99	30.24	23.76	34.53	21.78	24.39	21.00	28.44	25.92	27.81	25.62	22.77	317.25
William Adams .....	1.08	1.56	1.20	1.48	2.92	2.12	1.20	2.64	2.56	2.08	1.72	.32	20.88
C. T. Holder .....	5.88	3.99	3.72	6.51	4.56	5.61	5.01	6.72	6.09	8.46	5.64	5.07	67.26
L. F. Hall .....	4.56	1.95	3.93	7.02	1.65	4.32	.....	5.28	1.95	4.68	4.47	2.55	42.36
Dr. Guy .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.99	.99
R. Farmer .....	5.97	4.53	4.35	7.02	5.91	7.50	4.53	9.09	5.01	5.10	4.74	4.29	68.04
H. O. Battle .....	7.11	3.42	5.46	6.75	4.08	6.72	6.00	7.23	5.04	5.16	5.10	5.25	67.32
Col. Wm. Moncrief .....	10.35	10.26	11.46	17.64	14.40	18.54	14.40	15.36	15.18	15.18	12.09	9.60	164.46
Dr. Shuler .....	.....	7.41	3.63	4.41	3.63	4.47	3.60	3.93	4.08	.....	6.99	2.61	44.76
G. J. Cooper .....	2.64	1.44	1.96	2.04	3.40	6.24	4.00	8.36	3.20	3.96	3.96	2.80	44.00
Dr. Pratt .....	9.90	10.74	9.45	11.64	8.97	10.20	9.60	8.16	4.95	6.57	5.10	5.40	100.68
H. A. McElroy .....	4.12	3.36	2.92	4.72	4.80	4.80	3.00	8.00	8.00	9.08	7.00	6.32	66.12
S. B. McLendon .....	9.42	9.81	8.40	10.35	7.17	9.78	.....	18.45	8.43	9.84	9.21	8.94	109.80
J. S. Lomas .....	7.29	5.70	4.62	4.56	4.77	6.15	5.34	3.84	4.47	3.36	4.05	4.23	58.38
O. C. Brown .....	2.36	2.28	1.80	2.68	2.20	3.52	3.00	4.40	6.24	4.68	2.64	1.64	37.44
Mr. McLean .....	1.36	1.36	1.20	1.64	1.04	2.88	1.48	3.80	1.20	1.20	1.20	1.00	19.36
W. C. Hale .....	2.00	1.76	1.68	2.52	2.28	2.64	2.76	3.28	2.04	2.00	2.32	1.64	26.92
Mr. Cooper .....	1.56	1.16	1.08	2.16	1.84	2.80	2.28	2.92	1.64	1.28	1.40	1.00	21.12
Negro Residence .....	3.08	.....	3.68	4.68	5.84	8.08	4.96	8.68	10.28	2.72	6.04	3.08	61.12
W. B. Guy .....	1.00	.72	.68	2.60	2.32	2.44	3.96	1.56	1.80	1.40	1.24	1.00	20.72
F. M. Ellisor .....	.88	1.04	1.08	2.00	1.88	2.88	3.72	1.56	1.48	1.12	1.20	.84	19.68
Tom Reed .....	1.40	1.88	1.24	1.76	1.72	1.84	2.92	1.40	.....	2.88	1.80	1.00	19.84
J. C. Hite .....	10.20	10.08	8.68	11.00	9.24	9.40	7.20	8.56	6.32	4.28	4.44	2.88	92.28
R. Sisson .....	2.88	3.12	2.68	3.88	3.84	5.16	5.20	3.20	.....	.....	7.44	.....	37.40
J. T. Rikard .....	2.52	.....	6.56	3.64	.....	5.08	2.52	2.32	2.04	.....	.44	5.67	30.79
Wingard .....	2.60	2.64	2.24	3.20	1.96	1.92	3.08	1.68	2.12	1.96	2.40	1.88	27.68
H. T. Patterson .....	1.56	1.68	1.96	2.76	3.92	2.96	3.60	3.08	2.24	1.80	2.12	1.56	29.24
Dr. Milling .....	2.76	2.68	3.12	5.44	5.24	4.92	3.64	8.64	4.52	3.68	4.56	3.40	52.60
Dr. Morehouse .....	.....	.....	.....	.....	.....	.....	.....	.....	17.60	2.56	3.32	2.24	25.72
W. S. Hall .....	3.36	2.68	2.88	3.64	3.68	3.40	3.60	4.24	2.64	3.08	2.43	2.44	38.07
Dr. Horger .....	1.48	1.44	1.32	2.60	2.24	2.04	3.60	.44	1.72	1.48	2.08	.64	21.08
Dr. Long .....	3.96	4.28	3.44	5.32	3.76	3.96	4.92	3.76	3.68	3.72	4.36	3.80	48.96
Dr. Smarr .....	4.92	5.36	4.16	5.52	6.20	5.16	6.40	5.60	3.92	3.80	5.00	4.60	60.64
Dr. Beckman .....	2.04	3.04	3.60	5.24	4.32	4.80	5.60	5.48	4.24	3.80	4.08	2.48	48.72



Dr. Ham .....	2.36	2.68	2.76	3.84	3.04	4.12	4.40	4.36	3.20	2.80	3.04	.....	36.60
Dr. Carrigan .....	3.84	4.20	2.96	4.44	3.60	3.80	4.28	2.84	2.48	2.56	2.92	2.36	40.28
Dr. Bullock .....	4.84	4.08	3.64	5.32	5.00	5.24	5.72	5.04	4.28	3.88	4.52	3.04	54.60
Dr. Freed .....	.....	4.20	2.92	3.52	3.32	3.84	4.52	2.52	2.44	2.32	2.32	34.44	
J. M. Crapps .....	1.48	2.32	2.16	2.84	2.08	2.76	3.48	4.36	3.40	2.04	2.60	1.72	31.24
Mr. Hamby .....	.....	3.84	1.60	3.60	2.76	3.16	3.20	5.76	6.16	4.00	3.40	1.08	38.56
Mr. McLure .....	1.76	1.56	1.60	3.08	2.72	2.36	6.40	6.76	2.44	2.76	2.20	1.60	35.24
H. C. Davis .....	2.64	.....	2.88	3.04	2.52	3.88	3.04	3.48	3.44	.....	5.76	2.68	33.36
Geo. McCutchen .....	7.60	6.48	6.84	9.68	6.92	9.48	8.00	8.40	6.48	5.76	6.36	5.00	87.00
F. W. Bradley .....	2.08	2.04	1.76	3.32	2.60	3.92	4.00	3.04	2.08	1.80	2.16	1.24	30.04
E. T. Motley .....	2.20	.....	4.56	1.92	2.40	2.96	1.44	1.76	.....	4.00	1.76	23.00	
W. T. Bryan .....	.....	4.60	5.44	.....	.....	8.00	.....	8.20	5.52	.....	4.92	36.68	
J. Rion McKissick .....	4.84	6.60	5.52	7.72	5.04	7.36	7.60	5.84	5.64	5.08	5.68	4.92	71.84
G. A. Wauchope .....	.....	1.00	1.00	1.36	1.00	1.68	1.56	1.08	1.00	.76	.....	.68	11.12
S. M. Derrick .....	5.56	2.36	4.24	5.48	3.88	5.84	5.44	4.60	4.12	3.56	4.56	3.68	53.32
M. L. Smith .....	27.60	12.80	10.84	13.24	10.72	15.12	15.84	13.84	14.40	13.40	13.80	13.16	174.76
W. E. Rowe .....	7.28	8.16	5.36	7.40	3.64	6.04	6.36	5.72	6.00	5.64	6.00	4.04	71.64
Patterson Wardlaw .....	3.12	5.68	3.24	6.16	4.64	4.40	5.76	9.48	7.08	6.12	6.44	3.92	66.04
G. F. Lipscomb .....	6.92	5.00	5.28	.....	.....	11.60	.....	.....	12.32	.....	10.48	4.16	55.76
L. T. Baker .....	.....	1.88	3.32	4.64	3.40	5.16	4.84	3.68	3.60	3.80	4.52	.....	38.84
Josiah Morse .....	.....	3.32	.....	4.32	2.68	.....	6.04	3.16	1.84	1.56	1.80	.....	24.72
H. Babcock .....	.....	.....	7.08	6.08	4.76	.....	11.40	.....	12.48	4.56	5.20	.....	51.56
Stephen Taber .....	.....	.....	.....	10.40	4.24	6.60	6.80	5.16	5.08	.....	11.16	.....	49.44
J. A. Stoddard .....	4.28	2.84	3.04	3.88	2.56	6.56	4.88	3.18	3.04	.....	6.24	.....	40.80
C. H. Baxton .....	18.38	12.66	10.86	24.16	22.72	31.44	16.20	4.46	12.28	18.96	17.94	16.16	206.22
Totals .....	\$278.88	\$248.05	\$246.56	\$362.86	\$269.27	\$351.08	\$318.24	\$320.80	\$315.70	\$260.20	\$298.36	\$218.86	\$3,488.86

TABLE NO. 3—SHOWING SALE OF ELECTRIC CURRENT FOR THE YEAR ENDING JUNE 30, 1942, TO STATE INSTITUTIONS

Name of Institution	July 1941	August 1941	Sept. 1941	Oct. 1941	Nov. 1941	Dec. 1941	Jan. 1942	Feb. 1942	March 1942	April 1942	May 1942	June 1942	* Total
Industrial School for Girls ...	\$56.48	\$60.14	\$49.42	\$63.98	\$49.70	\$63.26	\$54.94	\$50.34	\$52.06	\$53.96	\$41.82	\$36.24	\$632.34
Reformatory for Negro Boys .	36.16	31.90	28.56	47.80	50.46	51.28	44.00	27.86	37.92	40.18	44.32	34.72	475.16
Confederate Infirmary .....	19.14	18.44	11.68	14.68	18.28	16.76	17.76	21.18	13.56	11.96	11.42	9.62	184.48
S. C. Sanatorium .....	643.62	580.54	480.62	677.36	780.36	746.14	740.20	596.34	580.98	529.82	502.26	500.10	7,358.34
S. C. State Hospital .....	2,329.56	2,444.08	2,123.48	2,672.94	2,216.54	2,200.76	2,521.14	2,427.50	2,242.64	2,101.14	2,359.76	1,962.54	27,602.08
Governor's Mansion .....	13.18	13.56	10.82	14.30	23.72	36.42	37.00	42.52	29.34	16.80	10.90	7.24	255.80
State Capitol Building .....	221.00	293.20	265.80	340.40	249.80	282.00	667.40	504.40	410.80	295.20	359.20	256.40	4,145.60
Calhoun Office Building .....	574.20	545.80	450.80	536.80	400.80	470.20	556.20	479.00	488.60	408.40	448.80	335.80	5,695.40
Hampton Office Building ....	1,392.00	1,364.00	1,084.00	990.00	578.00	792.00	980.00	672.00	906.00	800.00	830.00	1,022.00	11,410.00
World War Memorial Bldg. .	11.20	10.64	10.46	11.60	9.04	11.68	9.64	10.56	9.82	10.06	10.22	8.92	123.84
University of S. C. .......	1,108.42	662.46	1,147.62	1,692.10	1,304.00	1,642.62	1,816.50	2,152.24	2,118.24	1,396.14	1,404.22	797.54	17,242.10
State Armory .....	12.18	.....	3.34	1.40	1.50	1.30	1.20	5.02	1.14	1.00	1.50	.....	29.96
State Penitentiary .....	769.10	842.22	690.20	818.24	650.70	743.42	833.88	830.06	694.88	632.84	674.00	560.82	8,740.36
State Highway Department .	73.36	84.60	73.56	83.82	56.94	66.26	87.40	64.84	68.30	53.56	49.00	38.26	799.90
Totals .....	\$7,259.60	\$6,951.58	\$6,430.36	\$7,965.42	\$6,389.84	\$7,124.10	\$8,367.26	\$7,883.86	\$7,654.28	\$6,351.06	\$6,747.42	\$5,570.58	\$84,695.36



TABLE NO. 4—SHOWING EXPENDITURES FOR WATER FOR FISCAL YEAR ENDING JUNE 30, 1942

Name of Institution	July 1941	August 1941	Sept. 1941	Oct. 1941	Nov. 1941	Dec. 1941	Jan. 1942	Feb. 1942	March 1942	April 1942	May 1942	June 1942	Total
University of S. C. ....	\$92.79	\$65.35	\$162.42	\$220.63	\$181.09	\$160.11	\$169.20	\$192.76	\$180.29	\$199.14	\$199.16	\$122.29	\$1,945.23
Hampton State Office Bldg.	32.09	32.99	39.44	37.19	34.17	33.04	23.00	38.37	28.05	33.55	20.31	14.53	366.73
Calhoun State Office Bldg. .	18.46	40.22	45.83	51.50	41.07	26.98	23.06	19.97	21.82	31.92	33.49	35.85	390.17
State Capitol .....	5.11	5.55	11.22	9.03	6.90	12.62	13.69	10.26	11.68	15.49	20.08	14.59	136.22
State Armory .....	4.82	.28	.28	.73	.50	.22	.17	.06	.11	.22	.67	.79	8.85
Penitentiary .....	222.27	223.28	237.81	222.16	285.44	230.01	251.83	221.03	218.17	226.31	200.22	232.59	2,771.12
Governor's Mansion .....	4.21	7.13	8.41	8.86	13.12	6.39	3.93	3.31	5.61	18.23	47.57	13.69	140.46
State Hospital .....	824.16	804.09	765.93	688.52	787.81	708.05	865.73	693.24	761.62	820.02	797.18	803.07	9,319.42
Confederate Infirmary .....	10.54	9.93	10.66	10.44	14.64	8.81	12.34	7.41	9.82	12.40	10.38	11.72	129.09
Industrial School for Girls ..	1.18	1.07	1.35	1.68	1.40	1.35	1.68	1.12	1.68	6.84	1.46	1.51	22.32
Reformatory for Negro Boys ..	2.52	1.35	1.91	2.67	1.23	2.19	1.68	.90	1.12	2.36	2.02	1.96	21.91
New Woman's Penitentiary ..	13.92	21.31	44.93	58.54	70.36	39.49	48.81	43.08	43.82	50.10	60.03	59.53	553.92
Totals .....	\$1,232.07	\$1,212.55	\$1,330.19	\$1,311.95	\$1,437.73	\$1,229.26	\$1,415.12	\$1,231.51	\$1,283.79	\$1,416.58	\$1,392.57	\$1,312.12	\$15,805.44

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